

What is claimed is:

1. A tub protection bolt of a washing machine, comprising:

a screwed shaft penetrating a cabinet of the washing machine to be coupled with a boss of a tub; and

a head part at one end of the screwed shaft to have a narrow cut-away portion holding a power cable of the washing machine by insertion.

2. The tub protection bolt as claimed in claim 1, wherein the head part comprises:

a head at the one end of the screwed shaft;

a flange extending outward from an outer circumference of the head; and

the narrow cut-away portion provided from an outer circumference of the flange toward the head.

3. The tub protection bolt as claimed in claim 2, wherein the cut-away portion comprises:

an insertion portion provided from the outer circumference of the flange in a direction of a center of the head; and

a fixing portion bent from an end of the insertion portion.

4. The tub protection bolt as claimed in claim 3, wherein an outer circumference side of the flange contouring the insertion portion is wider than an opposite side.

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26 5. The tub protection bolt as claimed in claim 3, wherein an outside corner of
27 the flange meeting the insertion portion is rounded.

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29 6. The tub protection bolt as claimed in claim 3, wherein the fixing portion is
30 formed rounded along a direction of rotating the head part when the screwed shaft is screwed
31 or unscrewed.

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33 7. The tub protection bolt as claimed in claim 3, wherein the fixing portion is
34 formed along a direction that the power cable inserted in the fixing portion naturally moves
35 toward the insertion portion when the head rotates in a direction of unscrewing the screwed
36 shaft.

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38 8. The tub protection bolt as claimed in claim 1, further comprising a washer
39 provided between the head part and the cabinet to have a predetermined thickness.

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41 9. The tub protection bolt as claimed in claim 1, wherein the power cable
42 includes a protrusion extending an outer circumference of the power cable to lie between the
43 head part and the cabinet when the power cable is inserted in the cut-away portion.

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45 10. A washing machine comprising:
46 a cabinet;
47 a tub in the cabinet to have at least one boss protruding from an outside of the tube;
48 a protection bolt comprising:

49 a screwed shaft penetrating the cabinet of the washing machine to be
50 coupled with the boss of the tub; and
51 a head part at one end of the screwed shaft to have a narrow cut-
52 away portion holding a power cable of the washing machine by insertion;
53 an elastic members suspending the tub in the cabinet; and
54 a drum rotatably installed in the tub.

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56 11. The washing machine as claimed in claim 10, wherein the head part
57 comprises:

58 a head at the one end of the screwed shaft;
59 a flange extending outward from an outer circumference of the head; and
60 the narrow cut-away portion provided from an outer circumference of the flange
61 toward the head.

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63 12. The washing machine as claimed in claim 11, wherein the cut-away portion
64 comprises:

65 an insertion portion provided from the outer circumference of the flange in a direction
66 of a center of the head; and
67 a fixing portion bent from an end of the insertion portion.

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69 13. The washing machine as claimed in claim 12, wherein an outer
70 circumference side of the flange contouring the insertion portion is wider than an opposite
71 side.

73 14. The washing machine as claimed in claim 12, wherein an outside corner of
74 the flange meeting the insertion portion is rounded.

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76 15. The washing machine as claimed in claim 12, wherein the fixing portion is
77 formed rounded along a direction of rotating the head part when the screwed shaft is screwed
78 or unscrewed.

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80 16. The washing machine as claimed in claim 12, wherein the fixing portion is
81 formed along a direction that the power cable inserted in the fixing portion naturally moves
82 toward the insertion portion when the head rotates in a direction of unscrewing the screwed
83 shaft.

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85 17. The washing machine as claimed in claim 10, further comprising a washer
86 provided between the head part and the cabinet to have a predetermined thickness.

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88 18. The washing machine as claimed in claim 10, wherein the power cable
89 includes a protrusion extending an outer circumference of the power cable to lie between the
90 head part and the cabinet when the power cable is inserted in the cut-away portion.